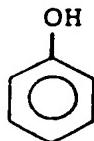
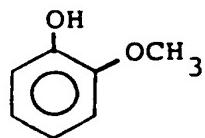
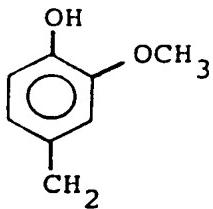
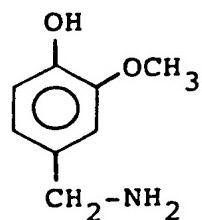


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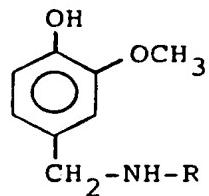
PHENOL  $C_6H_5OH$ FIG. 1ORTHO-METHOXYPHENOL  $CH_3OC_6H_4OH$ FIG. 2VANILLYL  $(CH_3O)(OH)C_6H_3-CH_2$ FIG. 3

25f P



3-METHOXY-4-HYDROXYBENZYLAMINE  $(\text{CH}_3\text{O})(\text{OH})\text{C}_6\text{H}_3\text{-CH}_2\text{-NH}_2$

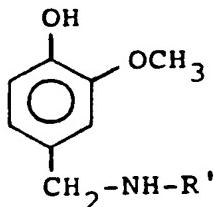
FIG. 4



where R is an organic hydrocarbon group

VANILLYLAMIDE  $(\text{CH}_3\text{O})(\text{OH})\text{C}_6\text{H}_3\text{-CH}_2\text{-NH-R}$

FIG. 5

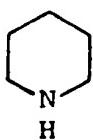
STRUCTURAL FORMULA

$\text{R}'-\text{CO}-(\text{CH}_2)_4-\text{CH}=\text{CH}-\text{CH}-(\text{CH}_3)_2$   
 $\text{R}'-\text{CO}-(\text{CH}_2)_6-\text{CH}-(\text{CH}_3)_2$   
 $\text{R}'-\text{CO}-(\text{CH}_2)_5-\text{CH}-(\text{CH}_3)_2$   
 $\text{R}'-\text{CO}-(\text{CH}_2)_9-\text{CH}-(\text{CH}_3)_2$   
 $\text{R}'-\text{CO}-(\text{CH}_2)_5-\text{CH}=\text{CH}-\text{CH}-(\text{CH}_3)_2$   
 $\text{R}'-\text{CO}-(\text{CH}_2)_7-\text{CH}_3$   
 $\text{R}'-\text{CO}-(\text{CH}_2)_8\text{CH}_3$

CAPSAICINOID

CAPSAICIN  
 DIHYDROCAPSAICIN  
 NORDIHYDROCAPSAICIN  
 HOMODIHYDROCAPSAICIN  
 HOMOCAPSAICIN  
 NONANOIC ACID VANILLYLAMIDE  
 DECANOIC ACID VANILLYLAMIDE

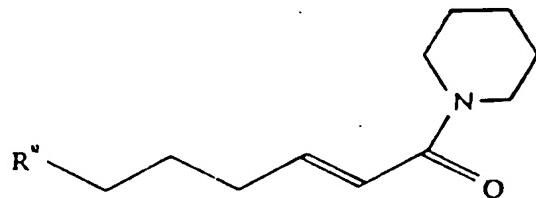
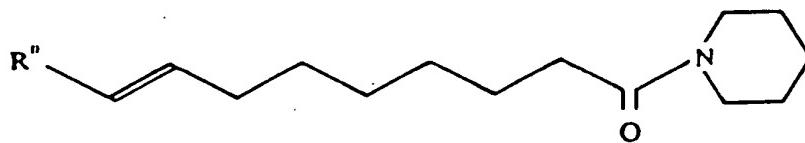
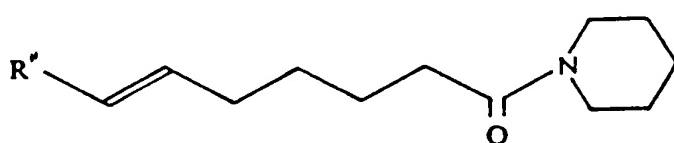
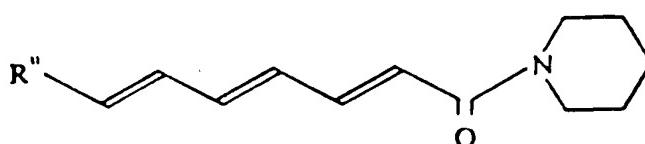
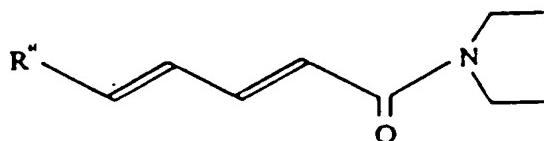
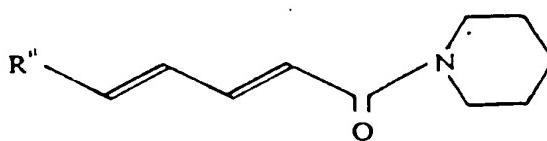
## CAPSAICINOIDS

FIG. 6

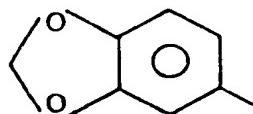
PIPERIDINE  $(\text{CH}_2)_5\text{NH}$

FIG. 7

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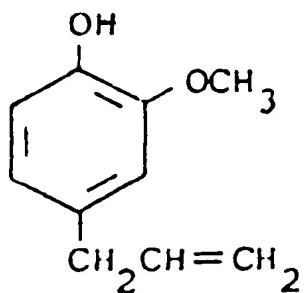
where  $R'' =$



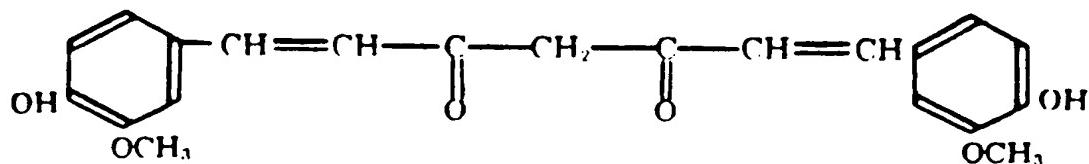
PUNGENT ALKALOID PRINCIPALS OF PEPPER

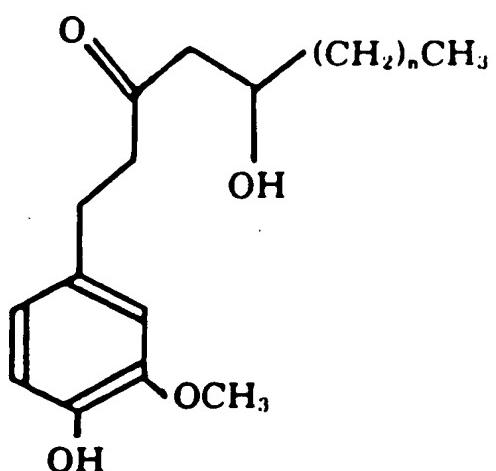
FIG. 8

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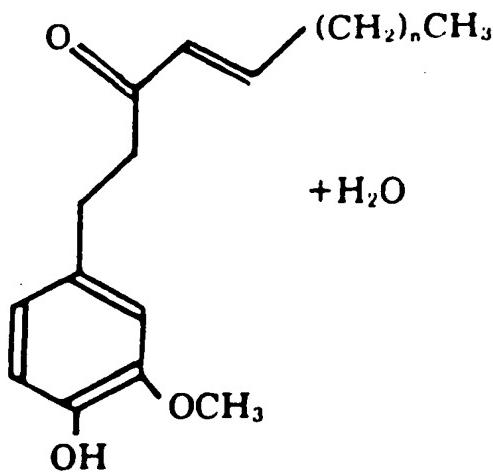
EUGENOL C<sub>10</sub>H<sub>12</sub>O<sub>2</sub>FIG. 9

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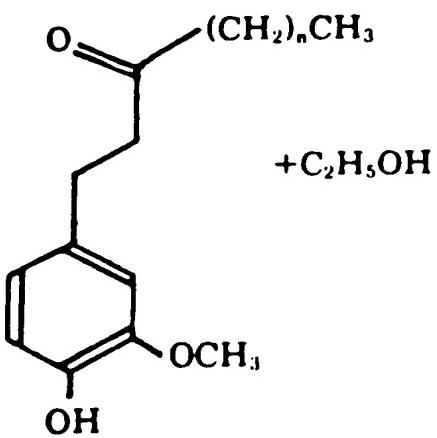
CURCUMIN C<sub>21</sub>H<sub>20</sub>O<sub>6</sub>FIG. 10



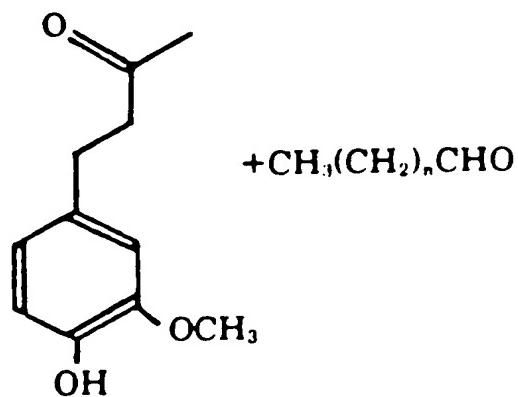
Gingerol

Shogaol C<sub>17</sub>H<sub>24</sub>O<sub>3</sub>

(where n = 4,6, or 8)



Paradol

Zingerone C<sub>11</sub>H<sub>14</sub>O<sub>3</sub>

## GINGEROLS

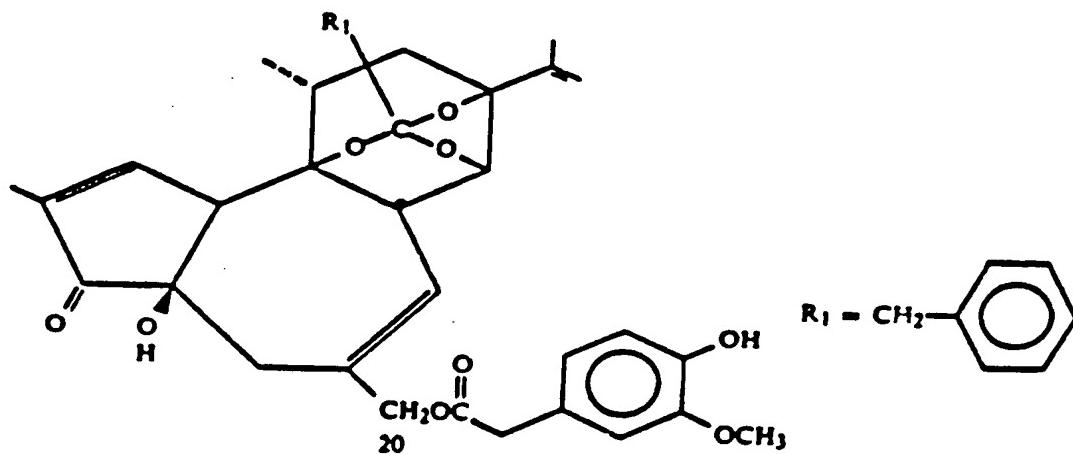
FIG. 11

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PCT/US93/04763

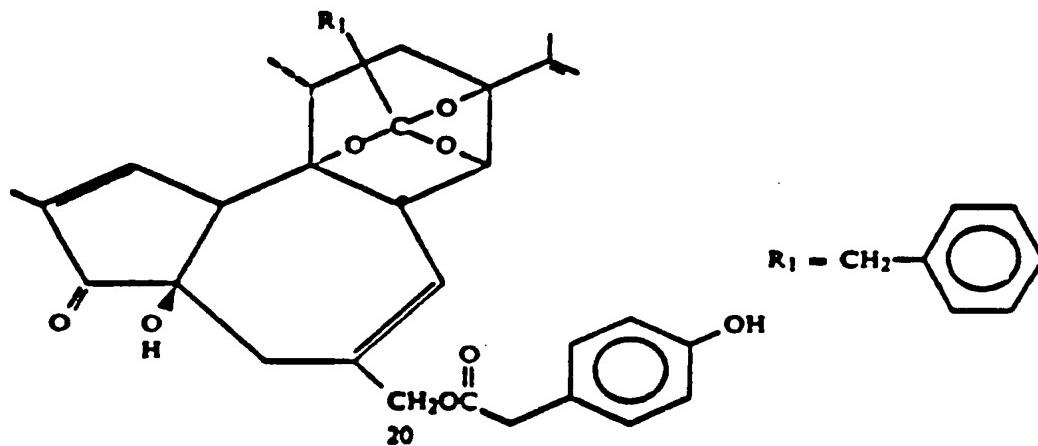
WO 93/23061

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RESINIFERATOXIN

FIG. 12

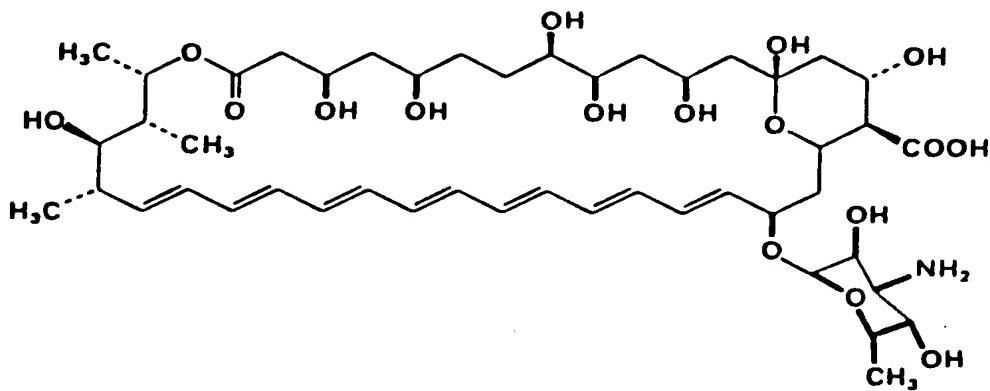
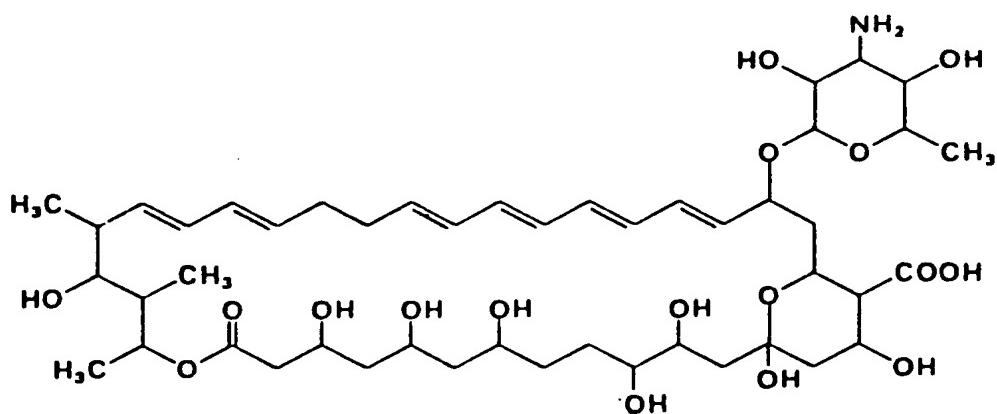


TINYATOXIN

FIG. 13

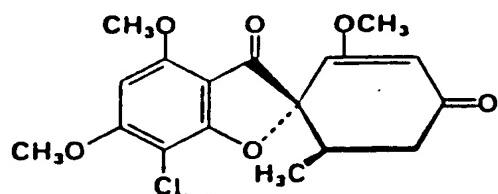
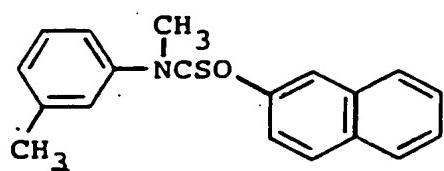
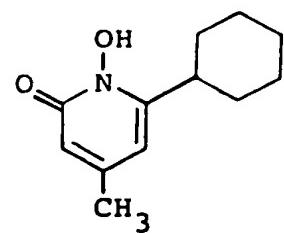
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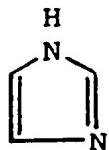
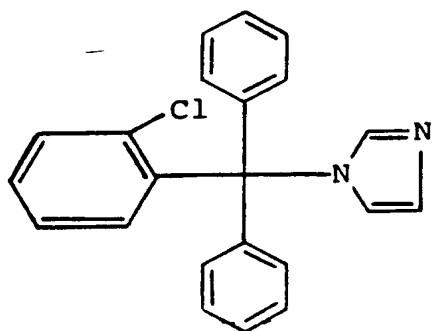
AMPHOTERICIN B  $C_{47}H_{73}O_{17}N$ FIG. 14NYSTATIN  $C_{46}H_{83}O_{18}N$ FIG. 15

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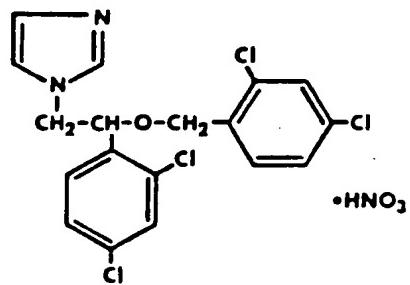
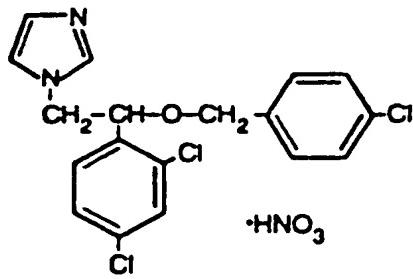
GRISEOFULVIN  $C_{17}H_{17}O_6Cl$ FIG. 16TOLNAFTATE  $C_{19}H_{17}NO$ FIG. 17CICLOPIROX  $C_{12}H_{17}NO_2-C_2H_7NO$ FIG. 18

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IMIDAZOLE  $C_3H_4N_2$ FIG. 19CLOTTRIMAZOLE  $C_{22}H_{17}N_2Cl$ FIG. 20

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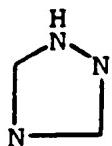
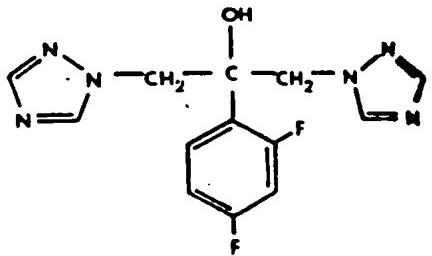
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MICONAZOLE NITRATE C<sub>18</sub>H<sub>14</sub>Cl<sub>4</sub>N<sub>2</sub>OFIG. 21ECONAZOLE NITRATE C<sub>18</sub>H<sub>14</sub>Cl<sub>3</sub>N<sub>2</sub>OFIG. 22

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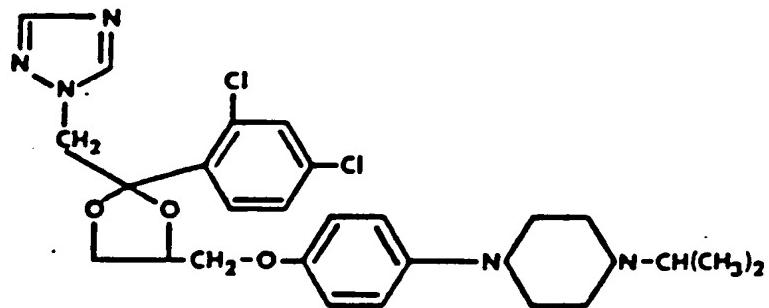
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TRIAZOLE  $C_2H_3N_3$ FIG. 23FLUCONAZOLE  $C_{13}H_{12}F_2N_6O$ FIG. 24**SUBSTITUTE SHEET**

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TERCONAZOLE

FIG. 25

SUBSTITUTE SHEET